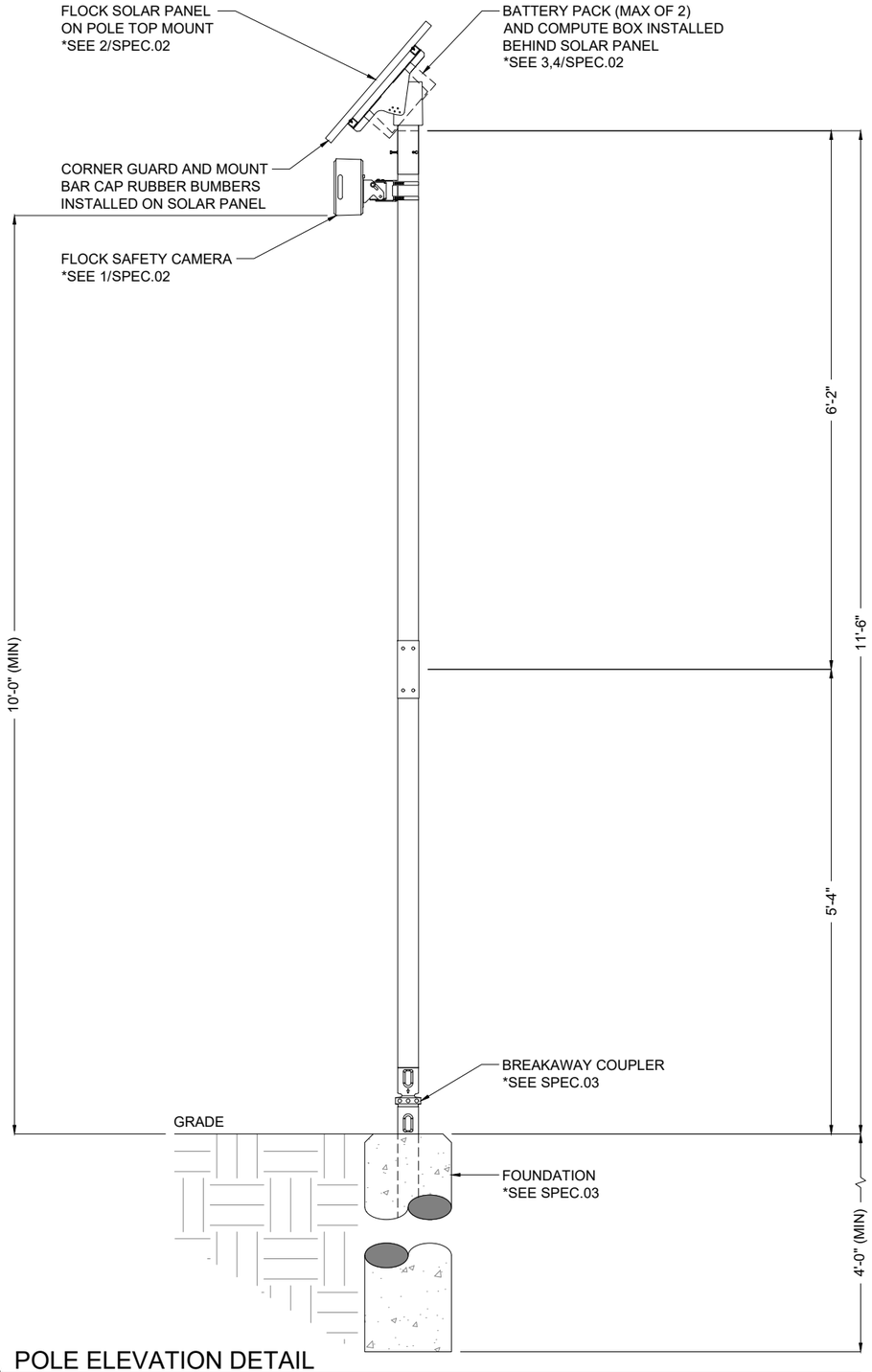

1 POLE ELEVATION DETAIL
SCALE: 1:20

DESIGN NOTES

1. POLE AND FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES:
   1.1. 2009/2012/2015/2018/2021 INTERNATIONAL BUILDING CODE
   1.2. AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMIN, TRAFFIC SIGNALS, 2015 EDITION.
2. POLE ANALYSIS AND FOUNDATION DESIGN ARE BASED ON THE FOLLOWINGCRITERIA
   2.1. DESIGN WIND SPEED (Vult)): (SEE SECTION 2.6)
   2.2. RISK CATEGORY: II
   2.3. EXPOSURE CATEGORY: C
   2.4. TOPOGRAPHIC CATEGORY: 1
   2.5. SEISMIC DESIGN CRITERIA:
      2.5.1. SOIL SITE CLASS: D (ASSUMED)
      2.5.2. SPECTRAL RESPONSE, Ss: 1.000g (MAXIMUM)
      2.5.3. SPECTRAL RESPONSE, S1: 0.400G (MAXIMUM)
      2.5.4. SEISMIC DESIGN CATEGORY: B
   2.6. STRUCTURE BASE REACTIONS ARE CALCULATED AS FOLLOWS:

DESIGN WIND SPEED (MPH)	MOMENT (K-FT)	SHEAR (KIP)	AXIAL (KIP)
115	2.70	0.280	0.160
125	3.20	0.330	0.160
135 (MAX)	3.70	0.380	0.160

   2.7. SHOULD ANY OF THE SITE-SPECIFIC PARAMETERS BE HIGHER THAN WHAT IS NOTED ABOVE, THE EOR SHALL BE CONTACTED TO PROVIDE A REVISED DESIGN.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO INSTALLATION.
4. FOUNDATION TO CONSIST OF CONCRETE SURROUNDING THE PROPSED POLE WITH A MINMUM OF 3,000-PSI COMPRESSIVE STRENGTH.
5. ASSUMED SOIL PARAMETERS FOR THIS DESIGN ARE AS FOLLOWS:

UNIT WEIGHT	FRICTION ANGLE	COHESION	DEPTH TO GROUNDWATER
110 pcf	30 deg	0 psf	> 10 ft

IF THE ASSUMED SOIL PARAMETERS, ASSUMED GROUND WATER TABLE ELEVATION, OR ASSUMED STANDARD POLE DESIGN ARE NOT APPLICABLE, A SITE SPECIFIC FOUNDATION DESIGN WILL BE REQUIRED.

GENERAL & CONSTRUCTION NOTES

1. CONTRACTOR SHALL CONTACT DESIGNATED AGENCY TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.
3. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION.
4. ALL WORK SHALL CONFORM TO APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION STANDARDS SUPERSEDE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS DEFINED BY THE STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION, UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.

ADA COMPLIANCE NOTES

1. ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II, STATE DEPARTMENT OF TRANSPORTATION, AND LOCAL JURISDICTION STANDARDS,
2. STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS SHALL BE USED FOR PEDESTRIAN CONTROL PLANS WHEN CLOSURE OF SIDEWALK IS REQUIRED FOR CONSTRUCTION.
3. MINIMUM CLEAR PEDESTRIAN ACCESS ROUTE (PAR) SHALL BE 48" WIDE.
4. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK. UP TO AN ELEVATION OD 7'-0" ABOVE GRADE.

N.C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
Date: 06/04/2025
Reviewed
Transportation Mobility and Safety Division

TYPICAL DETAIL

FLOCK SAFETY CAMERA ON BREAKAWAY COUPLER POLE

flock safety
1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	05/20/2025	JMW	TYPICAL DETAIL

Digitally signed by Michael B Leeper
Date: 2025.05.21 12:20:13-07'00'

NORTH CAROLINA PROFESSIONAL SEAL 47119 ENGINEER MICHAEL B. LEEPER
5/21/2025

FLOCK SAFETY EQUIPMENT INSTALLATION

TYPICAL DETAILS	
SHEET: SPEC.01	REV: 0

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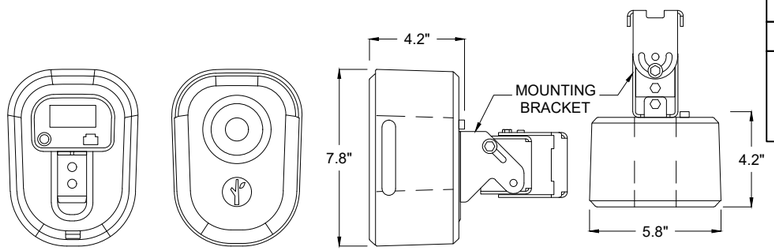
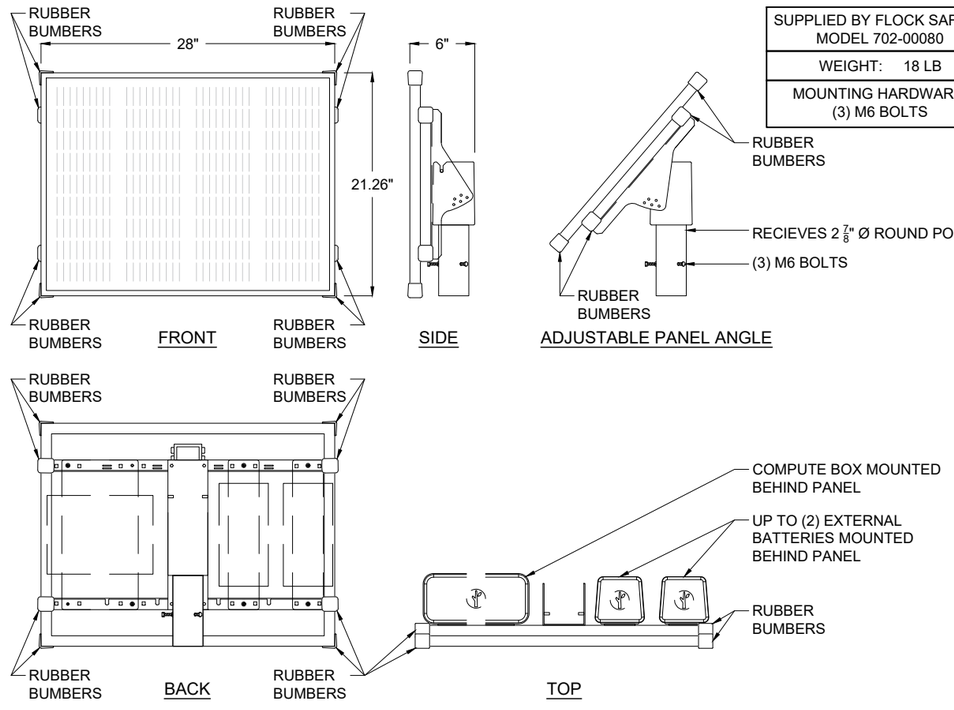


SUPPLIED BY FLOCK SAFETY MODEL 706-0002
WEIGHT: 3.5 LB
MOUNTING HARDWARE: MCMASTER-CARR QUICK-RELEASE CLAMP PART #: 5322K58 OR AN APPROVED EQUIVALENT

1 FLOCK SAFETY CAMERA

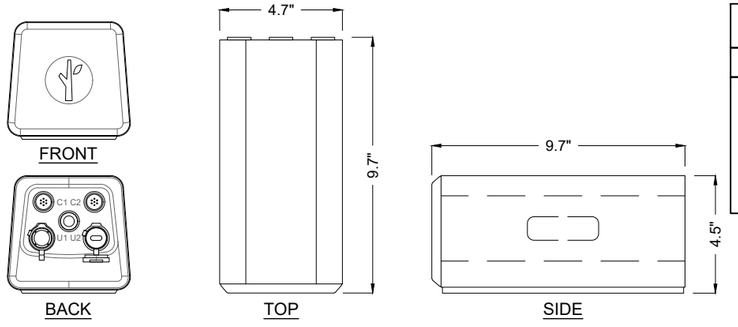
SCALE: N/A



SUPPLIED BY FLOCK SAFETY MODEL 702-00080
WEIGHT: 18 LB
MOUNTING HARDWARE: (3) M6 BOLTS

2 65 WATT SOLAR PANEL AND MOUNT ASSEMBLY (TOP MOUNTED)

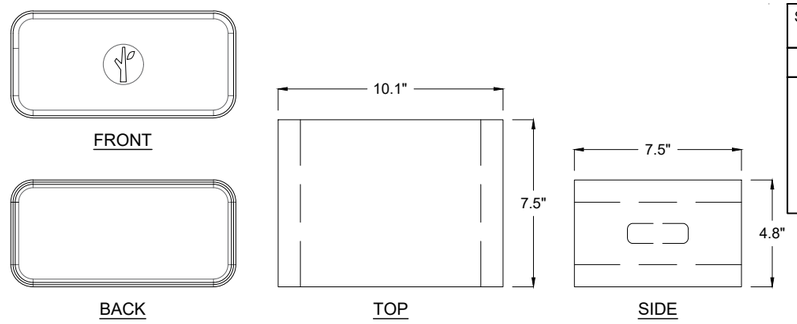
SCALE: N/A



SUPPLIED BY FLOCK SAFETY MODEL 705-0002
WEIGHT: 5.9 LB
MOUNTING HARDWARE: FLOCK MOUNTING BRACKET MODEL 204-00101 MCMASTER-CARR QUICK-RELEASE CLAMP PART #: 5322K58 OR AN APPROVED EQUIVALENT

3 FLOCK EXTERNAL BATTERY

SCALE: N/A



SUPPLIED BY FLOCK SAFETY MODEL 705-0002
WEIGHT: 4.6 LB
MOUNTING HARDWARE: FLOCK MOUNTING BRACKET MODEL 204-00102 MCMASTER-CARR QUICK-RELEASE CLAMP PART #: 5322K58 OR AN APPROVED EQUIVALENT

4 FLOCK COMPUTE BOX

SCALE: N/A

TYPICAL DETAIL

FLOCK SAFETY CAMERA ON BREAKAWAY COUPLER POLE

flock safety
1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
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-	-	-	-
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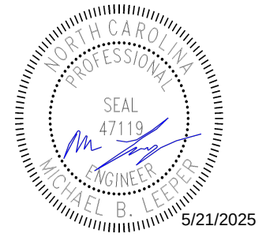
0	05/20/2025	JMW	TYPICAL DETAIL



FLOCK SAFETY EQUIPMENT INSTALLATION

TYPICAL DETAILS

SHEET:	REV:
SPEC.02	0

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ITEM NO.	DESCRIPTION	QTY.
1	0.250-20 X 0.750 BT TX TAMPER-RESISTANT	6
2	2" SCH 40 2.375OD 0.154WALL - GALVANIZED STEEL	1
3	2.875OD X 0.203 WALL X 33.000L - 6061-T6 ALUMINUM	1
4	2.875OD X 0.203 WALL X 60.875L - 6061-T6 ALUMINUM	1
5	2.875OD X 0.203 WALL X 74.000L - 6063-T52 ALUMINUM	1
6	BRAIDED SLEEVE	1
7	DESIGNOVATIONS BREAKAWAY ROUND POST 2.875OD MODEL S300R	1
8	CONCRETE FOOTING	1
9	HBOLT ANTI ROTATION	1
10	INSERT SLEEVE STYLE 7 TAPPED	1
11	ORING SQ	1
12	WASHER 0.250 SPLIT LOCK 0.260 X 0.487 X 0.062	6
13	BOLT 0.250-20 X 3.500 X 0.750 HX BLACK WITH NUT 0.250-20 HX BLACK	1

PROVELI MASH DETAILS

BREAKAWAY STYLE 7 COUPLER ASSEMBLY

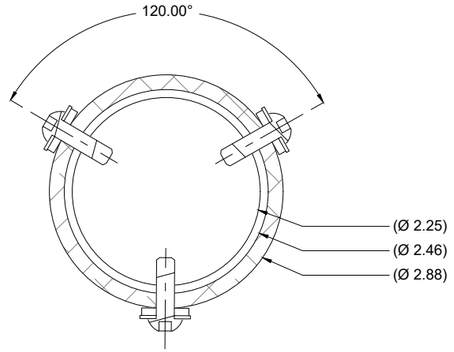
PART #: SP-7/MASH

MATERIAL: VARIES

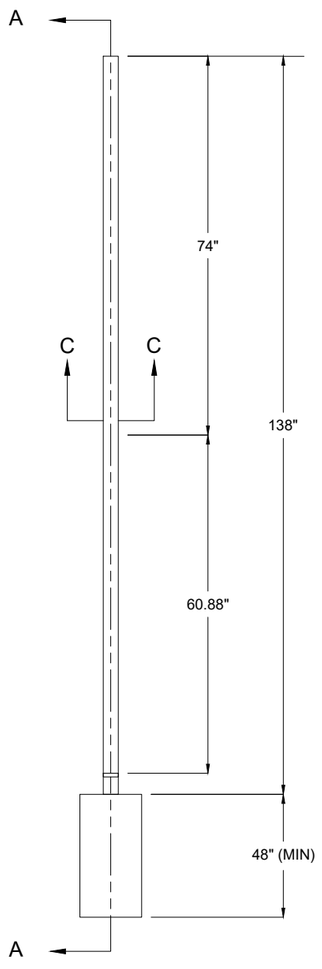
WEIGHT: 224.84 LBS

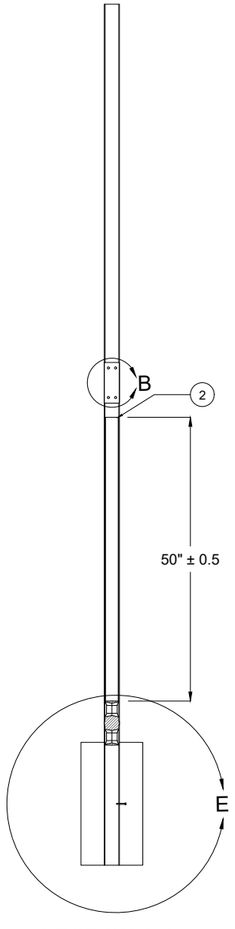
DATE: 01/11/2024

DO NOT SCALE DRAWINGS (NTS)



SECTION C-C





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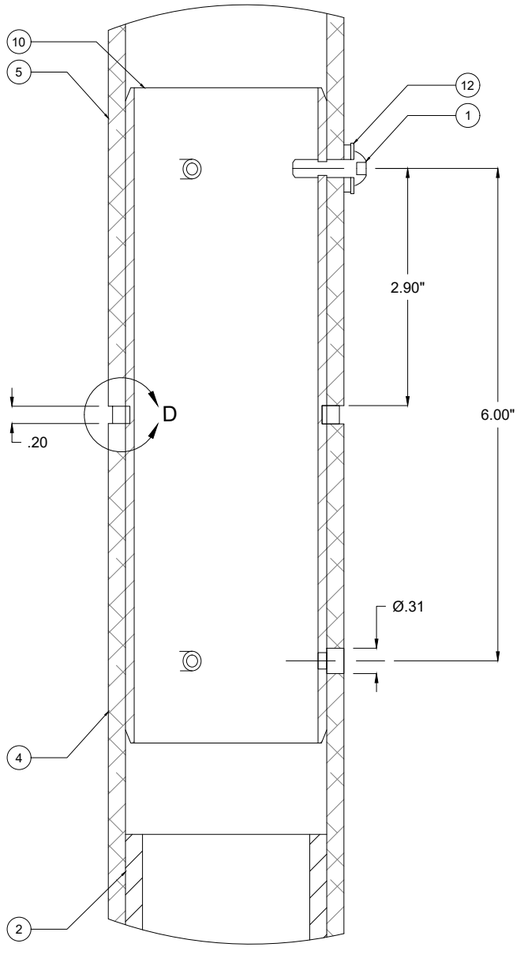
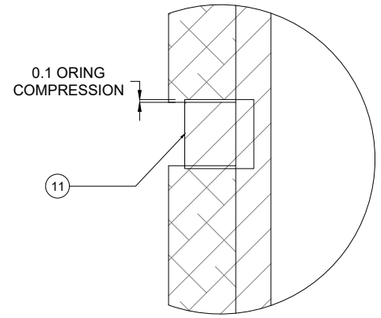
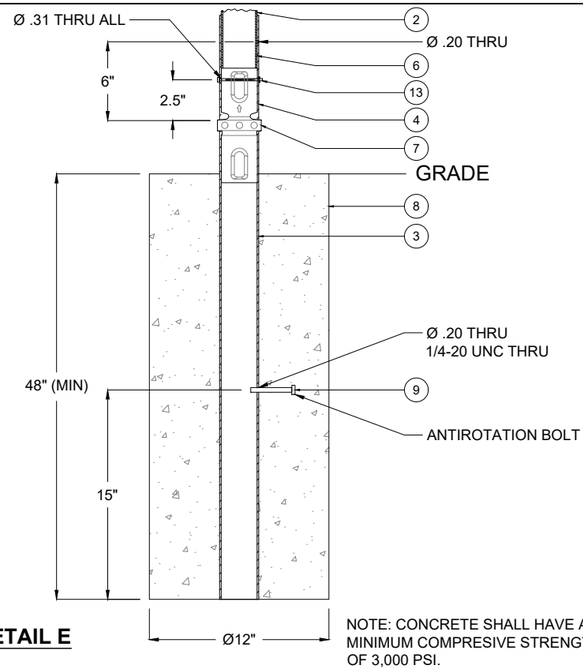


DETAIL B



DETAIL D



DETAIL E

NOTE: CONCRETE SHALL HAVE A MINIMUM COMPRESIVE STRENGTH OF 3,000 PSI.

TYPICAL DETAIL

FLOCK SAFETY CAMERA ON BREAKAWAY COUPLER POLE

flock safety
1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	05/20/2025	JMW	TYPICAL DETAIL

5/21/2025

FLOCK SAFETY EQUIPMENT INSTALLATION

TYPICAL DETAILS	
SHEET: SPEC.03	REV: 0

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